

Abstract of the Disclosure

5 A novel neuroprotectant was identified by microarray analysis that is
differentially expressed between the ventricular zone and the cortex of human
adult and fetal brain. The secreted protein antagonizes Wnt action in *Xenopus*
embryos. Methods are described for modulating free radical neurotoxicity by
contacting cells with the protein, treating neuronal diseases associated with free
radical-mediated cell death by administering the protein, determining
neuroprotective genomic targets associated with select free radical toxicity
10 pathways by screening with the protein and using the protein to identify other
compounds that modulate the biological activity of the secreted protein and the cell
machinery that reacts to the secreted protein.